

**MATERIAL SAFETY DATA SHEET
OSHA'S HAZARD COMMUNICATION STANDARD
U.S. DEPARTMENT OF LABOR**

29 CFR 1910.1200

OMB NO. 1218-0072

IDENTITY NO:

NAME: HEAVY DUTY ACIDIC CLEANER

SECTION 1

MANUFACTURER'S NAME: MIRACLE SEALANTS & ABRASIVES COMPANY
ADDRESS: 12806 SCHABARUM AVE., BLDG. A EMERGENCY: 800-535-5053
CITY: IRWINDALE STATE: CA PHONE: 818-814-8988
DATE PREPARED: 10-15-95 CONTACT PERSON: SUE MCELROY

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

HAZARDOUS COMPONENTS	CAS #	OSHA PEL	ACGIH TLV	WEIGHT %
HYDROCHLORIC ACID	7647-01-0	5ppm	5ppm	22.0

SECTION 3 - PHYSICAL/CHEMICAL CHARACTERISTICS

BOILING POINT: 210 F	SPECIFIC GRAVITY: 1.12
VAPOR PRESSURE (20 C) : NA	MELTING POINT: NA
VAPOR DENSITY (AIR=1) : NA	EVAPORATION RATE: NA
SOLUBILITY IN WATER: 100%	DENSITY: NA
PHYSICAL STATE: NA	FREEZING POINT: NA
PH: 0.5-2.0	% VOLATILE: NA
ODOR THRESHOLD: NA	ACID/ALKALINITY: NA
SOLUBILITY IN ORGANIC SOLVENT: NA	
APPEARANCE AND ODOR: LIGHT AMBER COLOR, ACRID ODOR	

SECTION 4 - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: NONE	FLAMMABLE LIMITS: NA
LEL: UNKNOWN	UEL: UNKNOWN
DOT #: UN 1760	
EXTINGUISHING MEDIA: NONE	
SPECIAL FIRE FIGHTING PROCEDURES: NONE	

SECTION 5 - REACTIVITY DATA

STABILITY: STABLE
CONDITIONS TO AVOID: NONE
INCOMPATIBLE MATERIALS TO AVOID: STRONG OXIDIZERS, AMMONIA
HAZARDOUS POLYMERIZATION: NONE
HAZARDOUS DECOMPOSITION PRODUCTS: NONE

SECTION 6 - HEALTH HAZARD DATA

ROUTES OF ENTRY:
INHALATION? - POSSIBLE
SKIN? - POSSIBLE
INGESTION? - POSSIBLE
HEALTH HAZARDS - SAME AS SIGNS AND SYMPTOMS OF OVEREXPOSURE
OSHA CARCINOGENICITY - NONE: NTP? - NONE ; IARC MONOGRAPHS? - NONE

HEAVY DUTY ACIDIC CLEANER

SIGN AND SYMPTOMS OF OVER EXPOSURE

EYES: BURNING IRRITATION

SKIN: BURNING IRRITATION

INGESTION: POISONOUS, TOXIC, IRRITANT

INHALATION: IRRITATION

MEDICAL CONDITIONS AGGRAVATED: GENERALLY AGGRAVATED BY EXPOSURE

EMERGENCY AND FIRST AID PROCEDURES

EYES: FLUSH WITH WATER FOR FIFTEEN MINUTES. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

SKIN: WASH WITH SOAP AND WATER. IF IRRITATION PERSISTS, CALL A PHYSICIAN.

INGESTION: DRINK LARGE AMOUNTS OF WATER FOLLOWED BY MILK OF MAGNESIA. CALL A PHYSICIAN.

INHALATION: GET PERSON TO FRESH AIR. IF UNCONSCIOUS, CALL A PHYSICIAN.

SECTION 7 - PRECAUTIONS FOR SAFE HANDLING AND USE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: SOAK UP WITH INERT, ABSORBENT MATERIAL. SCOOP UP AND PLACE IN A PROPER WASTE DISPOSAL CONTAINER.

WASTE DISPOSAL METHOD: DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: STORE IN A COOL, DRY PLACE, OUT OF DIRECT SUNLIGHT. DO NOT FREEZE OR HEAT ABOVE 110 DEGREES F.

OTHER PRECAUTIONS: KEEP OUT OF REACH OF CHILDREN. FOLLOW DIRECTIONS ON THE CONTAINER FOR PROPER USE OF THIS PRODUCT.

SECTION 8 - CONTROL MEASURES

RESPIRATORY PROTECTION: OPEN ALL DOORS AND WINDOWS. EXPOSURES ABOVE THE TLV OR PEL REQUIRE A NIOSH APPROVED RESPIRATOR EQUIPPED FOR THE EXPOSURE.

PROTECTIVE GLOVES: RUBBER, PLASTIC

EYE PROTECTION: GLASSES, GOGGLES

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: CHEMICAL RESISTANT CLOTHING.

WORK HYGIENIC PRACTICES: USE COMMON SENSE AND CARE AROUND CHEMICALS. NEVER MIX CHEMICALS. CONSULT YOUR SUPERVISOR FOR OTHER PRACTICES. ALL PRACTICES DEPEND ON YOUR SPECIFIC BUSINESS. DIRECTIONS FOR USE ARE NORMALLY FOUND ON LABEL WHICH WILL DICTATE ENGINEERING AND CONTROL MEASURES.

SECTION 9 - SHIPPING & REGULATORY CLASSIFICATION

DOT SHIPPING NAME: CORROSIVE LIQUIDS, N.O.S., 8, UN 1760, PGII, (CONTAINS HYDROCHLORIC ACID) - FOR GALLONS AND LARGER. SMALLER QUANTITIES ARE CONSUMER COMMODITY, ORM-D

DOT HAZARD CLASS: CORROSIVE

OSHA HAZARD CLASS: CORROSIVE

UN/NA NUMBER: UN 1760 (GALLONS OR LARGER). SMALLER DOES NOT REQUIRE UN #.

PLACARDS: CORROSIVE (ON GALLON AND LARGER)

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HEAVY DUTY ACIDIC CLEANER

EPA HAZARD WASTE:

TRANSPORTATION CLASS: 8

OTHER SPECIAL REQUIREMENTS: